



# PUBLIC SERVICES CENTER ANNUAL REPORT

*"To create community through responsive leadership and services for the citizens and visitors of the Apple Capital of the World."*

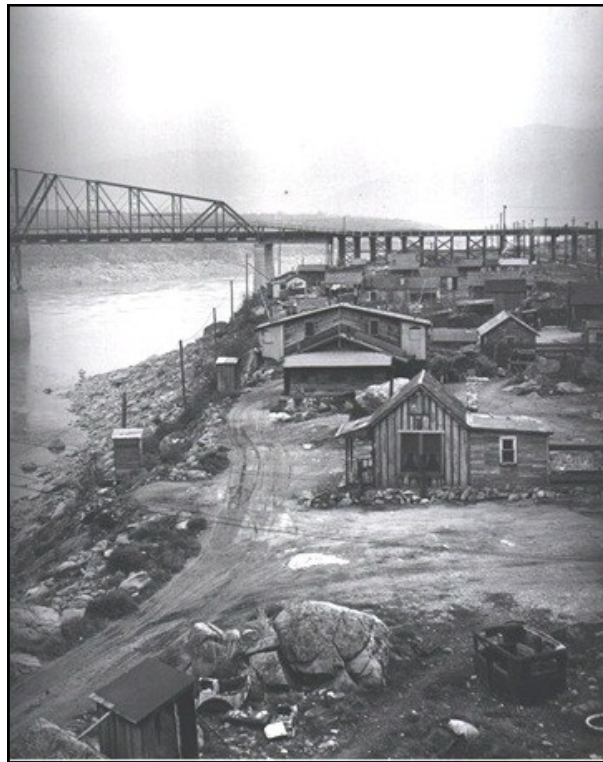
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**INTRODUCTION . . .** The staff of the Public Services Center is pleased to present the 2012 Annual Report. This year's report not only highlights the accomplishments of 2012, but also provides a glimpse of what you might see in 2013 and beyond.

It is interesting to look at the photo below depicting some of Wenatchee's history with shack town in the foreground and the historic pipeline bridge in the background. We can learn much from this photo regarding the value of quality planning and infrastructure. Mayor Jack Rogers ordered the burning of shack town in 1945 to eliminate the blight that existed on the waterfront. Notice the lack of roads or orderly development. The outhouses on the river bank

and old car bodies all represent blight. On the other hand, the pipeline bridge in the background still serves the ever critical functions of connecting both sides of the river with the loop trail and carrying irrigation water to Douglas County even 105 years after its construction. The bridge is proof that quality and well thought out infrastructure stands the test of time providing invaluable benefit to a community.



*Historic picture of the City of Wenatchee's waterfront*

Looking forward, the Community Development and the Public Works Departments are dedicated to planning for quality private and public infrastructure. In addition, we take pride in maintaining the transportation, water, sewer, storm, parks, cemetery, and building assets on behalf of residents, businesses, property owners, and visitors in our great City.

Watch for the **"Did you know?"** statements and enjoy reading about your City!

**EMPLOYEE MESSAGE . . .** The majority of our daily work is routine maintenance and behind the scenes activities. If you have clean water to make your morning coffee and the traffic is flowing smoothly on your way to work you probably will not even think about what all went into making that possible. Our job is to maintain all of the infrastructure that goes into making the City of Wenatchee a great place to live.

## BUILDING, PLANNING, CODE ENFORCEMENT ...

In Community Development there are two divisions: Planning and Code Enforcement.

Planning consists of 3 planners who are responsible for development reviews, comprehensive plan amendments, re-zoning, subdivisions, and special studies. This team ensures that quality development takes place in a timely and lawful manner consistent with development regulations. Coordination of housing and neighborhood revitalization programs and administration of related state and federal grant programs are also key components.

Code Enforcement, also known as the Building Department, is responsible for receiving plans and applications, providing a complete plan review, issuing permits, and field inspections from new construction to additions and alterations on existing buildings. These activities ensure compliance with state mandated building codes which protect home and business owners. This department is also responsible for code enforcement programs which preserve and enhance the quality of our existing neighborhoods.



*Front Row Cliff Burdick, Kim Schooley, Monica Libbey,  
Maria Reyes, Stacey Burts,  
Back Row: Dave Nichols, Brian Frampton, John Ajax, Chris Hanson*

### Some highlights of this year's accomplishments are:

- Updated the Community Development Block Grant (CDBG) 5 year Plan
- Comprehensive Plan Amendments including an update for new Parks Plan
- Annual Capital Facilities Plan update
- Hospitality House Property Transfer
- Former Public Works Site Marketing
- Lincoln Sidewalks Phase 2 School Education and Project completion which creates safe walking routes for students
- Pybus Market - Construction, Economic Development Initiative Grant Administration and Environmental Review
- South Wenatchee Visioning— American Institute of Architects Sustainable Design Assessment Team (AIA SDAT) Grant with recommended actions and report
- Consolidated Homeless Grant Program Initial Set-up and Implementation which is an ongoing program for shelter operation and rent assistance
- Sewer Extension Infill Policy which will extend sewer to facilitate development in infill areas of the City
- Development design of the City's Pit Property for future sale
- Downtown Streetscape discussion with WDA and a Community Economic Revitalization Board (CERB) Grant award
- Citywide GIS Training
- Zoning code update for Cottage Housing
- South Wenatchee Non-motorized Transportation Assessment
- Grant-funded Orondo Street Circulation Improvements Project
- Establish 1 year demonstration for Public Spaces such as sidewalk cafes

### Did you know ....

*3,000 scrap tires and 16 tons of scrap metal  
were collected at the  
March 31, 2012 cleanup event.*



*Construction of center planter strip on Orondo  
during the Orondo/Worthen improvement project*



**Looking Forward to 2013:**

- Chelan-Douglas Counties Homeless Plan update
- Adoption of the updated Shoreline Master Program
- Parkside Area sidewalks construction
- Historic Preservation Workshops funded by the Dept. of Archaeology and Historic Preservation Grant
- Adoption of the new Grandview Historic District Preservation Handbook
- New permit management software and implementation
- Continuation of Wenatchee Downtown Streetscape
- Implementation of GMA Planning Grant and CERB Grant
- South Wenatchee Subarea Plan development

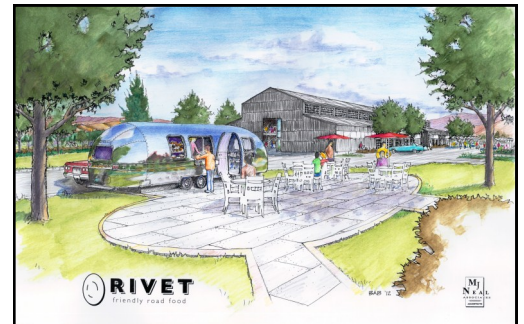
**2012 Annual Permit Totals**

Boundary Line	13
Commercial	90
Conditional Use	1
Historic Preservation	10
Other Permits	123
Plumbing & Mechanical	160
Residential	177
Short Plat	2
Subdivision	2
<b>TOTAL PERMITS:</b>	<b>578</b>

**Did you know...**

*this amounts to a construction  
value totaling*

**\$23,335,837**

**Pybus Market**

2012 was a huge year for activity on the waterfront with the development of the Pybus Market. This project is already bringing activity to the Orondo corridor and the waterfront, even prior to its completion in the spring of 2013. The Pybus Market began with the City and Port partnering to explore redevelopment of the old Pybus Steel facility into a permanent home for the farmer's market as well as a public market. The City was able to obtain a federal grant early in the project development. This combined with the Port of Chelan County's participation and the generosity of Mr. Mike Walker and family, the Pybus Market is becoming a reality. Not only will this facility be a valued community asset, but it will help spur on economic redevelopment of the waterfront which is of great benefit to the economy of the entire Wenatchee Valley.



## PARK MAINTENANCE & CEMETERY ...

The Park Maintenance Division has the responsibility for the operation and maintenance of the City's park system. This includes weekly mowing of the parks, maintaining the irrigation systems, cleaning the irrigation filters, weeding, pruning and caring for the landscaping and trees. Operation of the parks includes daily garbage removal, opening and cleaning the public restrooms and removing graffiti. During the summer months, the splash pad at Rotary Park also requires daily maintenance.

### 2012 Routine Maintenance and Projects:

- Maintained the landscaping at 13 parks, 7 City facilities and at the City's water reservoirs and pump stations.
- Added additional ground covering to the play equipment in the parks to ensure safety standards are met.
- Assisted cemetery staff with the maintenance and care of the cemetery, including the trimming of over 18,500 memorial markers three times a year.
- Reconstruction of the Veteran's Podium and Veteran's Star which were recently damaged.
- Maintained the streetscape along Columbia Street, Walla Walla Avenue, Riverside Drive and Wenatchee Avenue.
- Performed pest control on the over 300 trees along the downtown arterials which is done by injection rather than spraying for public safety.
- Snow removal and ice control for the park walkways, at the City's buildings and the downtown crosswalks.
- Painted all park bathrooms.
- Planted and maintained over 100 floral baskets for the downtown area.



Back Row: Ron Marks, Dan Patrick, Axel Garcia, Jeff Pulver, Tom Lewis  
Front Row: Scott Wilkerson, Rob Richards, Lorinda Davis, Dave Hendrickson

**Did you know...**  
the City of Wenatchee  
Parks Crew uses over  
10,000 garbage bags a  
year for trash removal in  
the parks.



Tree trimming

- Installed more drains for Rotary Park splash pad.
- Removed hazardous trees from parks & cemetery.
- Installed a new irrigation system, added topsoil and hydro seed in the expanded Riverfront Park area at the former Public Works site on Worthen Street.

### Looking Forward to 2013:

- Update landscaping at entrance to Lincoln Park
- Work with WSDOT Contractor on changes to Locomotive Park landscaping and irrigation associated with the George Seller West Interchange Project
- Install domestic water services to Rainbow Park



Removing a damaged streetscape tree

### The Cemetery:

The cemetery staff is responsible for the sales of burial plots and cremation niches, sales of burial containers and memorial markers, coordination of burial arrangements with local funeral directors and grave site opening and closing services. There are currently over 18,500 interred at the cemetery and the facility has been averaging nearly 200 services per year. The cemetery staff is also responsible for the grounds maintenance of the entire 34 acre site, as well as the Home of Peace mausoleum on Miller Street.



Sidewalk snow removal



## FLEET & FACILITY ...

The Fleet and Facilities Division is the internal support for the City. This division is crucial as it keeps the buildings and equipment operating smoothly, allowing all the employees to do their jobs. Three mechanics, three facility maintenance technicians, an administrative specialist, and supervisor manage all city buildings and over 200 pieces of equipment. This crew works remotely and independently on a moment's notice to meet any need we might have, even on call for emergencies 24 hours a day, 7 days a week.

The mechanics are unique. Together they have a combined \$120,000 invested in their own tools that are necessary to perform their job. They use those tools to fix all types of equipment such as passenger vehicles, dump trucks, graders, fire trucks, police cars, etc. including hand tools like weed eaters, push mowers and any other equipment needed to do our work here at the City.



L to R: Ramiro Lopez, Jason Munson, Mike Merz, Don Bitterman, Lynn Kirk, Kevin Patrick, Alisa Clardy, Jeff Walsh

The facility maintenance technicians work out of the Historic Police Station and perform plumbing, lighting, carpentry, and general facility repairs. The HVAC maintenance technicians work out of the Wenatchee Convention Center and they perform mostly HVAC and electrical repair along with supporting general maintenance of the Convention Center buildings. With 284,792 sq ft of buildings to maintain city wide, combined with mostly aging buildings, this crew stays very busy just keeping everything running smoothly.

### 2012 Projects:

- Rebuilt transfer case in Fire Department aerial apparatus
- Rebuilt engine in Recreation Department vehicle
- Rebuilt pump in fire engine
- Converted deicer truck to temporary water truck
- Setup replacement Water Division service truck
- Migrated appropriate vehicles to synthetic fluids program to prolong service intervals
- Fabricated steel support structure for Veteran's Memorial at the Cemetery
- Reconstructed filter system and filter pit at the City Pool
- Made HVAC, lighting and communications improvements at City Hall in conjunction with the Energy Efficiency Project
- Purchased 2 used dump trucks and a first responder truck for the fire department. All 3 vehicles are being outfitted and will be put into service in early 2013.



*Reconstruction of the Veteran's Podium and the Veteran's Star at the Cemetery*



### Looking Forward to 2013:

- Continue to migrate appropriate vehicles to synthetic fluids program to prolong service intervals
- Purchase and setup multiple new vehicles, including several special service vehicles with complex lighting and communication equipment
- Improve training for staff to troubleshoot and maintain increasingly complex automotive electronics systems.
- Improvements to the HVAC systems at the Community Center, the Convention Center and the Fire Station
- Major roof repairs at the Historic Police Station and City Hall



Mechanics repairing a grader that broke while on a job

## STREETS ...

The Street Maintenance Division has the responsibility of maintaining the City's streets, alleys and publically maintained sidewalks. There are over 250 lane miles of streets utilizing nearly 40 pieces of street equipment. This maintenance also includes snow removal and ice control on all City streets and along the sections of the state highways that run through the City.

### 2012 Projects and Routine Maintenance:

- Swept over 250 miles of roads
- Painted 425,000 linear feet of pavement markings
- Repaired hundreds of potholes
- Replaced dozens of sidewalks around the City
- Crack sealed many City streets using 13,000 pounds of crack seal material
- Maintained stamped concrete crosswalks
- Maintained all traffic signs, both regulatory and informational
- Roadside maintenance including vegetation control
- Snow plowing and de-icing all City streets
- Asphalted utility trenches for the Water Division
- Set up numerous road closures for the Apple Blossom Festival, in addition to other parades and public events
- Pulled out sidewalks for property owners replacing hazardous walks
- Picked up leaves from various parts of the City
- Completed construction of North Road extension
- Replaced sections of curb, gutter and sidewalk that were damaged by the January water line break on Wenatchee Ave
- Replaced retaining wall supporting the alley between Spokane and Kittitas Street
- Cleaned-up the former Public Works site on Worthen Street and converted the back half of the property to park



L to R: James Frost, Todd Davis, Bill Schneider, Terry Mitchell, Larry Johnson, Charlie Pearsall, Troy Owens

### Did you know ...

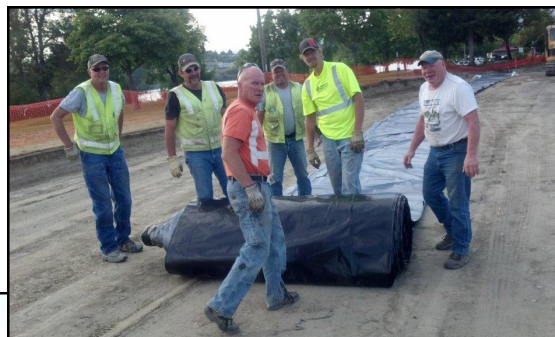
The City of Wenatchee maintains  
4,983 signs



Repaving Wenatchee Avenue after a water line break was repaired

*Rolling out landfill liner in preparation for integrating a section of the former Public Works site to Riverfront Park. Soil is added on top of the liner before being hydro seeded.*

*Below: The park addition with the grass beginning to grow in*



### Looking forward to 2013:

- Continue pavement preservation program through crack sealing and skin patching
- Replace concrete roadway panels on King Street
- Replace defective alley approaches in various locations



## SIGNALS AND LIGHTING ...

The City's lighting technicians maintain the City signals and street lights. There are approximately 2,000 street lights that must be maintained with nearly 600 lamps being replaced annually. Each year several lamps and poles must be replaced, due to vehicle accidents. Another responsibility is maintaining the 50 signal systems throughout the City, including the complex systems that control the operation and timing of the lights and pedestrian signals. The signal and lighting crew also maintain the 18 independent school zone warning systems located across the City.



Will Weems and Andy Greer

### 2012 Projects and Routine Maintenance:

- Replaced damaged light poles
- Replaced defective electrical junction boxes
- Repaired defective lighting circuits
- Made emergency repairs to a signal controller hit during a traffic accident
- Developed a controller maintenance program

### Looking forward to 2013:

- Rewire Maple Street Emergency Fire Signal
- Test light and signal equipment for transient voltage
- In conjunction with the Engineering Division adjusted the signal timing to improve traffic flow

### Did you know...

There is a lighting technician on call 24 hours a day 7 days a week.

*Employee safety is a very important part of the street and lighting jobs. The crew's work requires them to be either on the side of the road or out in traffic. Every job requires additional equipment just for safety, such as cones, barricades, and signs. When working in the road, traffic control is planned out ahead of time to ensure personal safety and compliance with regulations, as well as smooth traffic flow.*

## SOLID WASTE SERVICES ...

Garbage services are provided to the citizens of Wenatchee through a contract with Waste Management, Inc. that runs through the year 2020. Based upon the provisions of the contract, Waste Management collects all solid waste throughout the City for both residential and commercial customers. While Waste Management bills and collects from commercial customers, the City bills and collects from residential customers. Included in the City bill is an administrative fee to recover the cost of maintenance and billing of accounts. The City is then in turn billed by Waste Management for their total residential collections.



## ENGINEERING ...

The Engineering Division designs, inspects and maintains the structural integrity and safety of municipal infrastructure such as streets, sidewalks, water supply networks, sewers, street lighting, public parks, bicycle and walking paths. The Engineering Division consists of personnel who specialize in civil engineering and contract management. Whether a project is designed by City staff or an outside engineering firm, all plans for publicly owned infrastructure are reviewed by the engineering division. Once plans are approved, construction can begin. During construction City engineering staff inspect the project to ensure that the project is built according to approved plans and specifications and that the infrastructure will function properly.



L to R: Gary Faulkner, Ron Hall, Gary Owen, Donald Nelson, Matt Leonard, Margie Wilson, Brenda Guske

### Accomplishments for 2012:

- Completed design and majority of construction of the Orondo/Worthen improvements
- Completed design and construction of the 5th Street Safety Improvements (see pictures next page)
- Coordinated with WSDOT during design of the George Sellar Bridge West improvements
- Completed design and right of way acquisition and started construction on South Wenatchee Avenue improvements (see pictures next page)
- Began design and right of way acquisition for the Pine Street improvements
- Completed design and construction of the Crawford Street steel water main replacement
- Designed the Parkside sidewalks
- Began design for North Wenatchee Ave preservation project
- WWTP Odor Control & Visual Mitigation project started and major construction completed



Installing sidewalks and preparing for trees and streetlights along Worthen Street

### In design:

- Walnut Street sewer extension
- Squilchuck lift station
- New Millerdale Ave water main
- Marr/Marjo Street stormwater extension
- Maintenance improvements to biosolids drying beds
- Western Hills Joint Use Facility for canyon drain water retention
- Additional pump station installed at regional water to improve efficiency
- Vactor waste facility

### Looking Forward to 2013:

- Completing construction of the Wastewater Treatment Plant Odor and Visual Mitigation Project
- Design and construction of North Wenatchee Avenue street preservation from 5<sup>th</sup> Street to Miller with modifications of the stormwater system and replacement of 22 domestic water stubs
- Design and construction of the Walnut Avenue sewer extension
- Design and construction of Pine Street improvements
- Assist WSDOT in utility coordination on the George Sellar Bridge West improvement project
- Complete construction of South Wenatchee Avenue improvements
- Complete Orondo/Worthen improvement project



### **5th Street Safety Improvements:**

- The City secured a \$607K grant from the state transportation improvement board in 2011.
- The project included removing on-street parking, installation of bike lanes, installation of a two way left turn lane, pedestrian improvements (including new and enhanced crosswalks and upgraded ADA ramps), and adding landscape islands near Wenatchee Valley College.
- Construction started and completed in 2012.
- Project includes new – never tried in Wenatchee road surface treatment called “micro surfacing”. This is an alternate to common “chip seals” that we hope will perform well. This project will be monitored to see whether or not we consider this as a viable surface treatment in Wenatchee. A test strip was also applied on south-bound Miller Street between First and Washington.



*Before and after pictures  
of 5th Street near  
Wenatchee Valley College*

### **South Wenatchee Avenue Improvements – Marr to Terminal:**

- City secured \$1.8M in federal funding in 2009 for upgrading the roadway to urban standards including curb, gutter, sidewalk, illumination, and a two way left turn lane.
- The City acquired right of way from 13 parcels and secured numerous temporary construction easements before construction could begin.
- Construction was started in 2012. The City's contractor replaced the aging steel water line while the road was under construction. Construction was suspended for the winter in November of 2012. The project will re-start in the spring and be complete by the Fall of 2013.



*2012 Construction Photos  
looking north from the  
Humane Society*

*At left: Before picture*

*At right: During Construction*



## WASTEWATER TREATMENT PLANT ...

The wastewater treatment plant operates 24 hours a day, seven days a week to treat the approximately 3 million gallons of wastewater received daily. The treatment plant is a mechanical and biological system that relies on the expertise of operators to achieve the best conditions for treating wastes. These wastes consist not only of household waste water but also waste water from local restaurants, businesses and industries. The treatment plant operates under a permit issued by the Washington State Department of Ecology. Recently the treatment plant has received recognition for the cleanliness of the water discharged.

### 2012 Projects:

- Replacement of sludge/scum pumps and controls
- Completed air quality permit amendment for digester gas use in the boiler
- Replace digester gas flare piping
- Construction of new headworks facility
- Completed the Biosolids Equivalency Process to show that our treatment process produces Class A Biosolids



*The foul air ducting being installed. This will pull the air from the solids handling to the fan building, where it will go on to be treated.*

### **Did you know...**

*off gas from the treatment process is used as a fuel source for space heating. This results in annual fuel cost savings in excess of \$20,000.*

### Looking Forward to 2013:

- Relocate the Squilchuck Lift Station
- Replace 17 motor operated process control valve operators in the secondary treatment system
- Finish the visual improvement portion of the plant upgrade
- SCADA upgrade to the plant (Supervisory Control And Data Acquisition—computer control system)



*Bob Ritter, Adam Reichert, Jim Brumback, Bob Calhoun, Katy Landers, Chad Noah, Peter Moser, Devlin Walt*



*Installing the rock base in one of the two new biofilters. The gravel was filled to the top of the air diffuser piping and then the biofilter material was added to fill the remaining 6 feet of depth. As the air flows through this media the compounds that cause the odors will be removed.*



### Treatment Plant Upgrade

Construction began in February 2012 with the objectives of bringing the plant current with new regulatory requirements, reducing odor from treatment processes, providing architectural enhancements and adding landscaping to improve facility appearance. Engineering and construction costs are estimated at \$9 million dollars. The project is funded by a combination of revenue bonds and low interest loans.

Included in the project are a new building to house the updated screening process, rehabilitating the 50 year old primary clarifier, covering the primary clarifiers and adding foul air ducting and the biofilters for odor control. Artistic elements have also been included in the project.



## BIOSOLIDS...

The solids removed from wastewater are treated at the plant to become a final product called biosolids. The biosolids are then hauled by the treatment plant operators to a drying bed facility south of Malaga for further treatment. The solids are treated by the dry climate and natural ultraviolet light. The treatment time is 35 days, but can only be accomplished during the summer. The final product becomes a dry biosolid that is used by farmers as fertilizer for feed crops including triticale, timothy and corn.

- Approximately 420 dry tons of biosolids were produced in 2012. This amounts to about 460 dump truck loads of wet biosolids hauled to the drying bed facility for treatment.
- Approximately 300,000 pounds of pollutants are removed from the wastewater each year before it is discharged to the River.



*The drying beds south of Malaga serve as a treatment facility for solids removed from the wastewater at the treatment plant.*

### Did you know...

*The wastewater treatment plant recently completed the Biosolids Equivalency Process to show that our treatment process produces Class A Biosolids. This is a process that took about 4 years to complete.*

## SEWER COLLECTION...

The collection system for the wastewater treatment plant consists of 5 lift stations and over 140 miles of gravity flow wastewater main lines. The older lines are either clay tile or concrete pipes and the new lines are constructed of PVC. The sewer lines are engineered in size to accommodate flow in a given area, accounting for future development, and vary in size from 8 to 36 inches. In order for these sewer mainlines to operate properly, they must be kept clear of obstructions. This requires a maintenance program that consists of wastewater collection operators utilizing a high pressure jet/vacuum truck as well as a camera truck. The operators systematically clean all of the mainlines on a schedule with a three year rotation. Operations begin at the south end of the City and move west to east to bring the cleaning operations down to the lowest part of the City. Some mainlines that collect more grease and debris must be cleaned on a more frequent basis.



*Using the camera truck to view a sewer line in the intersection of 5th and Miller*

Located throughout the City are several sewer lift stations which also require maintenance by the collection operators. These lift stations pump waste water uphill to the system so that it can flow by gravity to the plant.

### Collection Crew Responsibilities

- Jet and clean approximately 45 miles of mainline each year—removing grease, debris and tree roots
- Video inspect mainlines to evaluate for pipe condition
- Maintain sewer trouble spots
- Clean sewer lift stations quarterly
- Respond to citizen complaints to assess sewer issues
- Clean, video inspect and approve all new sewer and storm mainlines in areas of new construction and development
- Use the camera and jet/vacuum trucks to assist other City departments

## ENVIRONMENTAL ...

The Environmental Division has an important role at the City. This group is responsible for development and implementation of utility programs required by state and federal regulations. An important function is educating our citizens on programs in areas such as: FOG (fats, oil, and grease) trap maintenance, cross connection control, stormwater discharge compliance, and industrial users inspections. These programs help keep the drinking water safe, the sewer system and treatment plant working efficiently, and eliminate pollutants in our nearby waterways.



*Paula Salter, Jessica Shaw, Julie Croft*

### **Accomplishments for 2012:**

- Cross Connection survey of fire lines
- Participated at KPQ Home and Garden Show
- Stormwater Annual Report
- Cross Connection Annual Summary Report
- Construction/Post-Construction Ordinance
- Stormwater Operation & Maintenance Training
- Cross Connection neighborhood surveys
- Kids In The Creek—Water Quality Station
- Expanding Your Horizons—Water Detective
- Fresh Fruit Packer Monitoring
- Fresh Fruit Packer Inspections
- Water Use Efficiency Report
- Water Consumer Confidence Report
- Local Limits Testing on wastewater influent
- Disinfection By-Product Monitoring
- Underground Injection Well Assessments
- Operated charity car wash kit program
- Provided Canyon Drainage outreach
- Presentations on being good stewards of our water resources to schools/service groups
- 2 year update of Wellhead Protection Program



*The swim area at Lincoln Rock State Park, an area within our Wellhead Protection Area*

### **2012 Totals**

- 414 grease trap/interceptor inspections
- 835 cross connection surveys performed
- 294 new backflow assemblies installed in the City's water system
- 85 City owned backflow assemblies tested
- 300 water samples analyzed - all were negative for bacteria
- 21 water concerns investigated
- 42 stormwater complaints investigated

### **Looking Forward to 2013:**

A large part of the Environmental Division's focus is to educate the public on best management practices. Every opportunity is taken to participate in local events and utilize media where the Environmental staff can spread information about the programs and promote compliance through education. In 2012 public awareness was increased in a couple of program areas and they will continue to be emphasized in 2013.

Due to an increased need for sewer lift station maintenance, the Environmental staff did a target mailing about lift stations and their inability to handle garbage that gets flushed down toilets. This went to all residents whose sewer line flows to a lift station. In 2013 this education will be expanded to address the problems that garbage cause in the sewer system.

The Environmental staff also placed an advertisement in the newspaper to start increasing the awareness about how the water from swimming pools and spas can be disposed when they need to be drained. Further public education will be done by having information at the KPQ Home and Garden Show in March and by doing a targeted mailing in the spring.

The Wellhead Protection program requires a targeted mailing every 2 years to all residents and business within a set distance from our drinking water wells. This mailing was done in the fall of 2012. To follow up on this mailing, the Environmental staff will be doing further outreach to Lincoln Rock State Park in conjunction with a Cross-Connection Control Survey of the area.



## STORMWATER UTILITY ...

The stormwater utility is a system of catch basins, manholes and pipes that transport rainwater and snowmelt from City streets to the Columbia River. The goals of the stormwater utility are to provide urban storm control, to protect property and to improve the quality of the stormwater discharged. This is done by maintaining the stormwater system and replacing or upgrading areas that need improvements to handle the runoff better. Ongoing maintenance includes cleaning catch basins, cleaning the main lines and street sweeping to reduce the amount of debris that enters the system.

The stormwater utility does not have employees who dedicate 100% of their time to the system. The employees who primarily perform maintenance on the system also spend their time working in the water utility or the street maintenance division. The stormwater utility is also supported by the environmental and the engineering divisions. Our employees take pride in working to preserve the quality of our local rivers.

The City's stormwater system operates under the Eastern Washington Phase II Municipal Stormwater Permit issued by the Department of Ecology. The new permit, effective August 2014, has increased requirements for maintenance, stormwater system monitoring, and design.



*The stormwater crew cleaning a residential catch basin.*

### 2012 Routine Maintenance and Projects:

- Complete the latest cleaning cycle of the storm system
- Update the GIS mapping and maintenance reporting system
- Obtain a grant for stormwater improvements as part of the South Wenatchee Avenue project
- Obtain a grant, along with 3 other local agencies, for a Regional Vector Waste Facility

### **Did you know ...**

*In 2012 the crew inspected 479 structures, out of those 77 required cleaning.*

### Looking Forward to 2013:

- Replace or line some of the deteriorated pipes within the system
- Start the design process for the Vector Waste Facility
- Develop a plan for compliance with the new updated General Stormwater Permit
- Continue to maintain the system in a good condition

### ***The stormwater system is comprised of:***

- 388,000 feet of main lines
- 92,420 feet of laterals
- 3,922 catch basins / curb inlets
- 1,710 manholes

### Canyon Drains:

This year the City in conjunction with Chelan County provided education and outreach to citizens who live along the canyon drains. This was in response to the concerns regarding flooding and property damage following the Canyons Fires which were started by the September 8, 2012 lightening storm. With no vegetation, excessive runoff events with mud flow and debris could impact all downstream properties. The two canyon drains that were affected and in turn could affect Wenatchee are No. 1 Canyon and No. 2 Canyon. These drainages are separate from the City's storm drain system and are to be maintained by the property owner.



In response to the fires the City completed a thorough storm system cleaning of the No. 1 Canyon and the No. 2 Canyon. A video inspection of the storm lines was done through Chelan County.

Information was sent to property owners reminding them of their responsibility to keep their portion of the canyon drains maintained and free from obstructions. The City cleaned all canyon drain pipes which are located under city streets. The City and County will continue to work with local, state and federal agencies to have a coordinated restoration effort.

## WATER UTILITY ...

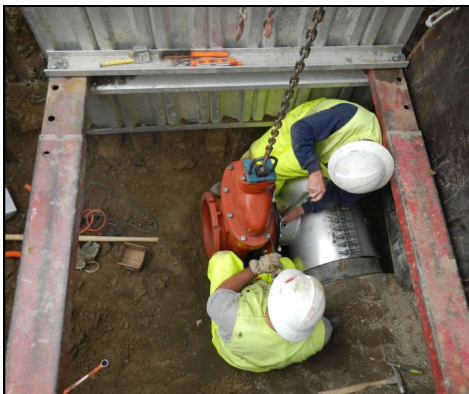
The primary job of the water crew is to provide clean drinking water to our residents 24 hours a day 7 days a week by keeping the City of Wenatchee's water utility operating smoothly. This is accomplished by the following activities: annually inspecting all 7,550 water meter chambers, annually checking and servicing all fire hydrants, maintaining all main-line valves and weekly checking of all pressure reducing valves (PRVs) in the system for leaks and pressure levels. In addition to the maintenance on the system, the water crew fixes emergency water-main leaks, sewer line breaks and breaks in the stormwater system. Their work is diverse as they also collaborate on additional projects throughout the city as well as installing new water services and main lines.



Back Row: Dave Erickson, Dennis Smith, Kevin Sandland, Terry O'Keefe  
Front: Dean Fleming, Bud Reister, Arthur Martinez



Methow/Crawford street water line tie in



12 inch water tap at Crawford/Okanogan

### 2012 Projects:

- Installed service connections on the South Wenatchee Avenue steel main line replacement
- North Wenatchee Avenue—replaced 30 galvanized water services from 5th Street to Miller
- Installed new 6" PRV (Pressure Reducing Valve) for zone separation at Monitor & Marr to replace the hard to access PRV at Crawford & Mission
- Installed service connections on the 12" transmission water line that was replaced on Crawford Street between Methow & Okanogan
- Crawford & Cashmere—Replace water main from Crawford to Lynn St.
- Replaced and re-located fire hydrants, water services and water chambers for the George Sellar Bridge project
- Moved fire hydrants and tied water mains together at Worthen & Orondo for the Pybus Market Project
- 9th Street & Wenatchee Ave. leak—repaired main line, replaced sidewalks and paved the street
- Fixed leak at 2 Million Gallon Reservoir
- Rebuild concrete road at Douglas and Alaska over water line break

### In 2012 the water crew had:

- Over 225 requests for locates
- 50 after hours callouts
- Changed out over 100 meters
- Replaced or reprogrammed 380 of the MXU radios which provide meter readings



Relocating a fire hydrant at 5th and Pershing

### Looking Forward to 2013:

- Pump Station #1 renovation
- Miller Street line extension
- Finish the George Sellar Bridge project
- Crawford & Mission—extend the water line to the south and reconnect
- Continue implementation of valve maintenance program
- Implement multi-jurisdictional SCADA monitoring
- Relocate 12" Ductile Iron irrigation line for new south end lift station

### Did you know...

In 2012 the water crew had  
1,111 meter investigations  
to help our customers check for leaks.



It can be dirty work!



## REGIONAL WATER SYSTEM ...

The Regional Water Supply System serves the City of Wenatchee, the Chelan County PUD and the East Wenatchee Water District. The system is comprised of 4 main pumping wells located by Lincoln Rock State Park, plus 3 backup wells in Wenatchee and 3 backup wells in East Wenatchee. The City of Wenatchee performs the daily operation and maintenance of the system. In addition to the constant computer monitoring, the operators visually check the 4 main pumping wells, the 2 pump stations, the 4 reservoirs and the chlorination system daily. The backup wells are checked weekly and they are flushed monthly. Annually, the pipeline in the Odabashian bridge crossing is visually inspected. The Regional Water system has an operator on call 24 hours a day 7 days a week, to ensure all residents in the Wenatchee Valley have an adequate supply of safe drinking water.



Mike Cockrum & Tony Scherting

### 2012 Projects:

- Updated Telemetry to Include Centralized Information for all of the Partners. This is a risk management strategy to allow coordinated operation of the system in case of a supply failure
- Updated backup well chlorination systems
- Purchased additional water rights (Approximately 2,500 acre-ft)
- Paved the wellhead access road

### **Did you know...**

*The Regional Water System pumped 3,694,500,000 gallons of water in 2012.*

### Looking Forward to 2013:

- Aquifer Study Update from the PUD
- Fifth Well Siting Study
- Transmission/Alternative Source Study



Wenatchee Avenue & 9th Street  
water line break



Repair work to the pipe and the irrigation canal after the 2 million gallon reservoir leak

## THANK YOU FOR YOUR SUPPORT!

Mayor  
Frank Kuntz

City Council  
Jim Bailey  
Bryan Campbell  
Linda Herald  
Keith Huffaker  
Mark Kulaas  
Doug Miller  
Karen Rutherford  
Tony Veeder



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### PSC Administration



Dan Frazier, Ruta Jones, Steve King, Don Files

*The Administration would like to say "thank you" to the staff, to the elected officials, and the community for your ongoing support.*

## SHOWCASING OUR CITY

### Equipment Rodeo

The Washington Chapter of APWA (American Public Works Association) held its Second Annual Equipment Rodeo at the Fall conference in Spokane. The event showcased equipment operators with a Dump Truck/Snow Plow Event and a Loader Event, both were judged on skill and speed.



James Frost and Mike Beem

In September a qualifying event was held in Wenatchee and all agencies in Chelan, Douglas and Okanogan Counties were invited to compete. Contestants battled through obstacle courses and real world scenarios in both the Wheel Loader and the Dump Truck/Snow Plow classifications in order to represent the region at the state conference. The top two finishers from each category moved on to the finals. The City of Wenatchee had two employees who placed in the qualifying event. Mike Merz took 3rd place in the Wheel Loader competition and James "Frosty" Frost took 1st place in the Dump truck/Snowplow competition. In the statewide competition in Spokane, Frosty tied for 1st place in the Wheel Loader competition and finished a close 2nd in the overall combined score. Mike Beem from Chelan County took the overall trophy for combined score.

The City's Fleet & Facilities Supervisor, Don Bitterman is a member of the subcommittee who organized the event. Ruta Jones and Alisa Clardy served as judges for the Rodeo in Spokane.

